CBU-MNPIR5MSW

Ceiling Flush Mount Passive Infra Red (PIR) Occupancy Detector & Photocell

Input: 100-240 Vac 50/60Hz

CASAMBI

PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLING THE PRODUCT
NOTE: CBU-MNPIR5MSW is only compatible to work with Casambi enabled app.

This flush mounted CBU-MNPIR5MSW is suitable for easy mounting through a 38/40mm diameter hole into a ceiling void which is at least 60mm deep. Configurable for any room occupancy style, via the free to download Casambi APP on Google Play or Apple APP Store.

INSTALLATION

To be installed by a competent person with reference to BS 7671 or equivalent local standards. If in doubt consult a qualified electrician.

- Plan where the CBU-MNPIR5MSW is to be located (see diagram 1). Switch off supply and check for hidden cables and pipes. Make a 38/40mm diameter hole through a standard ceiling board.

- The MNPIRPSSW should be connected as shown in diagram 2:

  L - Live in. N - Neutral in. SW - Switched line.

- Ensure both springs are fitted to the CBU-MNPIR5MSW in the correct orientation (see diagram 3)

- Fit one end of the Telejack into the MNPIRPSSW the other end fit to the CBU-MNPIR5MSW. (see diagram 4)

- Push both connected products into the ceiling void.

OPERATION

To check the operation of the CBU-MNPIR5MSW subject to software version:

- Turn on the supply then after 20 seconds if the sensor has recognised movement of a person within its zone of detection the integral red LED on CBU-MNPIR5MSW will flash before the red LED turns off.

- Every time movement is detected by CBU-MNPIR5MSW the integral red LED will flash.

The control also features adjustable time out (time lag) control and daylight threshold control which are configured by the Casambi APP.

PRECAUTIONS

- Do not place the CBU-MNPIR5MSW near heat sources, fans or in ventilated ceiling voids.

- Do not place close to, or positioned such that, any light source points directly into the CBU-MNPIR5MSW.

- Ensure wires and cables are securely held within the connection terminals.

- The CBU-MNPIR5MSW should be protected by a 5 or 6 Ampere mcb or fuse.

- **Disconnect the CBU-MNPIR5MSW from the circuit before performing insulation testing of the wiring circuit.**

TECHNICAL DETAILS

INPUT

Voltage:	100 - 240Vac
Frequency:	50/60Hz
Max. mains current:	20mA
Standby current:	14mA

LOADING

Fluorescent lamps, either high frequency	2 amps (450W)
Incandescent or mains halogen lamps	2 amps (450W)
LED lamps and drivers (PF ≥ 0.95).	2 amps (450W)

RADIO TRANSCEIVER

Operating frequencies:	2.4... 2,480 GHz
Max. output power:	+4 dBm

LUX PARAMETERS

Range:	5 - 2000 lux

OPERATING CONDITIONS
Note: The temperature difference between the detection target and the background must be at least 4 °C.

Ambient temperature:	-20... +40 °C
Storage temperature:	-25... +75 °C
Max. relative humidity:	0... 80%, non cond.

CONNECTORS

Terminal block Wire size:	0.5mm² - 2.5mm² solid or stranded
Wire strip length:	6-7mm
Tightening torque:	0,4 Nm/4 Kgf.cm

MECHANICAL DATA

Dimensions:	See diagram 3
Weight:	102g (unpacked)
Degree of protection:	IP40
Protection class:	Built-in Class 2
Material (casing)	Flame-retardant polycarbonate
Finish / Colour	Matt /White (RAL 9003)
Protection class:	Built-in Class 2

CONFORMITY AND STANDARDS

EMC emission:
EN 301 489-1 V2.2.0,
EN 301 489-17 V3.1.1,
EN 55032: 2015,
EN61000-3-2: 2014,
EN61000-3-3: 2013

EMC immunity:
EN 301 489-1 V2.2.0,
EN 301 489-17 V3.1.1

Environment:
Complies with WEEE and RoHS directives

5 YEAR WARRANTY

CBU-MNPIR5MSW comes with a 5 year warranty from the date of manufacture and is CE marked.

UKCA CE

DANLERS

CBU-MNPIR5MSW

Ceiling Flush Mount Passive Infra Red (PIR) Occupancy Detector & Photocell

Input: 100-240 Vac 50/60Hz

PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLING THE PRODUCT
NOTE: CBU-MNPIR5MSW is only compatible to work with DANLERS ISI enabled app

Strong detection zone i.e. person moving arm or walking towards PIR

Secondary detection zone i.e. person walking perpendicular to PIR

up to 5m
up to 7m

For optimum coverage recommended mounting height: 2.4 to 5m

DIAGRAM 1

L
SL
Not Used
N
N

MNPIRPSSW

Telejack connector

Sensor Head

L   Live in.
SL Switch Live.
N   Neutral in.

DIAGRAM 2

CONTROL UNIT
FRONT   SIDE

55.3

Ø 46.5   Ø 40.0 ± 0.2
                CUTOUT

POWER SUPPLY
100.0   M3
32.5
110.3
32.5
118.2

DIAGRAM 3

Connections
Power Supply   Telejack Connector   Control Unit

DIAGRAM 4

DANLERS